

Montana Department of Public Health and Human Services
Communicable Disease Program

2006 Communicable Disease Summary

Reporting County ¹	CAMPYLOBACTER	DIPHTHERIA	PATHOGENIC COLI	GARDIA	HANFLUENZA B	HEPATITIS A	HEP B ACUTE	HEP B CHRONIC ²	HEP C ACUTE	HEP C CHRONIC ²	LEGIONELLA	MEASLES	MENINGOINF	MUMPS	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	VARICELLA	TUBERCULOSIS	FOODBORNE, WATERBORNE, & PERSON-PERSON OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	1	-	-	5	-	-	-	1	-	1	1	-	-	-	1	-	-	-	-	-	-
Big Horn	-	-	-	-	-	-	-	1	-	12	-	-	-	-	-	-	2	1	-	-	1/13
Blaine	2	-	-	-	-	-	1	-	-	11	-	-	-	-	-	-	3	-	6	-	-
Broadwater	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-
Carbon	4	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	1	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	9	-	2	-	-	-	1	3	-	52	-	-	2	-	-	-	6	-	-	1	2/27
Chouteau	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Custer	1	-	-	5	-	-	-	-	-	10	-	-	-	-	-	-	1	-	-	-	1/15
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	2/22
Dawson	-	-	-	2	-	-	-	1	-	8	-	-	-	-	-	-	1	-	-	-	-
Deer Lodge	-	-	-	1	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Fergus	2	-	-	-	-	-	-	1	-	3	-	-	-	-	1	-	2	-	1	-	-
Flathead	26	-	1	19	-	-	-	6	-	39	1	-	-	-	47	-	7	2	27	2	5/98
Gallatin	28	-	3	13	-	1	-	13	-	37	-	-	-	-	10	-	11	2	1	-	1/18
Garfield	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	1	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	2	-	1	1	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	2	-	2	-	-	1	1	1	-	19	-	-	-	-	-	-	-	-	5	-	1/5
Jefferson	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	1	-	-
Judith Basin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	5	-	1	7	-	-	-	-	-	26	-	-	-	-	1	-	7	-	-	2	-
Lewis & Clark	16	-	4	4	-	2	1	85	-	61	-	-	-	-	22	-	5	1	1	-	2/61
Liberty	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	6	-	-	-	-
Lincoln	2	-	-	2	-	2	-	1	-	8	-	-	-	-	7	-	-	-	-	-	-
Madison	3	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	-	-	-	-
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Missoula	13	-	7	8	-	2	-	11	-	62	2	-	1	-	12	-	10	-	-	1	1/68
Musselshell	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	1	-	-
Park	5	-	-	1	-	-	-	1	-	8	-	-	-	-	-	-	1	-	19	-	1/60
Petroleum	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	1	-	-	1	-	3	-	-	-	3	-	-	-	-	-	-	1	-	-	-	1/3
Pondera	1	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	1	-	-	-	-	-	-	1	-	11	-	-	-	-	-	-	-	-	-	-	-
Prairie	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	5	-	3	6	-	1	-	1	-	16	2	-	-	-	-	1	3	-	-	-	2/39
Richland	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	2	-	-	-	3/250
Roosevelt	1	-	-	2	-	-	-	-	-	7	-	-	-	-	1	-	3	41	-	1	3/72
Rosebud	1	-	-	1	-	-	-	-	-	4	-	-	-	-	1	-	2	-	-	-	1/16
Sanders	-	-	-	5	-	-	-	1	-	10	-	-	-	-	-	-	1	-	-	-	2/53
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Silver Bow	4	-	1	3	-	-	-	-	-	34	-	-	-	-	2	-	5	-	-	1	-
Stillwater	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2/15
Sweet Grass	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/51
Teton	1	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1/16
Toole	-	-	-	2	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-
Treasure	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	3	20	-	-	1/20
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/25
Yellowstone	9	-	3	12	-	-	-	8	-	148	1	-	3	-	7	-	20	2	-	2	13/>1500
2006 Total	160	0	28	104	0	12	5	142	0	636	7	0	6	0	115	2	138	69	65	12	47/2447
2005 Total	106	0	23	81	0	10	10	48	1	899	6	0	0	1	586	1	149	5	0	10	16/693
2004 Total	143	0	32	72	0	8	14	na	2	na	3	0	3	0	84	3	188	4	0	15	19/569

¹ "Reporting county" reflects county of residence whenever possible.

² Chronic Hepatitis B and C numbers reflect those cases entered into the DPHHS Hepatitis Registry during 2006.

Note: The above disease totals reflect the cumulative number of reports received by DPHHS January 1 through December 31, 2006. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data is subject to corrections.

OTHER DISEASES OF INTEREST: 2006 SUMMARY

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County	A M E B I A S I S	A S E P M E N I N G	B A C M E N I N O T R	B A C T E R E M I A	B O T U L I S M I N F	C R E U T Z F E L D T	J A K O B D I S	C O L O R A D O T I C K	C R Y P T O S P O R	D E N G U E F E V E R	E N C P R I M	H F L U O T R	H A N T A V I R A L I L	H U S	L I S T E R I O S I S	L Y M E	M A L A R I A	Q F E V E R	R A B I E S A N I M A L	S T R E P T O X I C S	T U L A R E M I A	V I B R I O P A R A	W E S T N I L E	Y E R S I N O S I S
Beaverhead	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Big Horn	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
Blaine	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbon	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cascade	1	-	-	-	-	-	-	-	12	1	-	-	-	-	-	-	-	-	1	-	-	-	5	
Chouteau	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Custer	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Dawson	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	2	
Fallon	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Fergus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Flathead	-	5	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	1	-	1	1	2	
Gallatin	-	3	-	-	-	-	-	-	9	-	-	1	-	-	-	-	-	-	-	-	-	-	3	
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Glacier	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Hill	-	2	1	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Jefferson	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Judith Basin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lake	-	-	1	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lewis & Clark	-	1	1	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Lincoln	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Madison	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Meagher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Missoula	-	-	-	1	-	-	-	-	68	-	-	-	-	-	-	-	-	1	-	3	-	-	2	
Musselshell	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	
Park	-	3	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Phillips	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Powder River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Powell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Ravalli	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roosevelt	-	-	1	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Rosebud	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
Sanders	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Silver Bow	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stillwater	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Teton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Valley	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Yellowstone	-	15	2	1	-	-	-	-	9	-	1	1	-	-	-	1	1	1	1	-	-	-	7	
2006 Total	1	34	12	7	1	0	1	152	1	3	2	1	1	1	1	1	2	2	16	1	4	1	34	3
2005 Total	1	37	17	3	1	1	3	23	0	1	2	1	0	1	0			0	15	1	2	26	1	
2004 Total	1	36	13	na	1	3	2	34	0	0	0	2	0	2	0			4	26	0	2	6		1

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT: 16 (2.2%) of the 479 specimens submitted during 2006 tested positive for the rabies virus.

Beaverhead: 2 bats
 Cascade: 1 bat
 Daniels: 1 skunk
 Dawson: 1 skunk
 Fallon: 1 skunk
 Fergus: 2 skunks
 Flathead: 1 bat
 Missoula: 3 bats
 Musselshell: 1 Bat
 Powder River: 1 skunk
 Powell: 1 bat
 Rosebud: 1 horse

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scromboid) should be considered an outbreak and reported.

OUTBREAKS/EVENTS OF INTEREST:

Mar: Yellowstone Co. - An outbreak of norwalk virus sickened approximately 200 staff and residents of a long-term care facility and an assisted living center. Spread appears to be a person to person transmission as opposed to a point sources at this time.
 Sanders Co. - An outbreak of a norwalk like illness that impacted approximately 31 staff and residents. No specimens were collected to determine the agent at this time.

Apr: Yellowstone Co. - A continuing outbreak of norovirus that sickened roughly 450 individuals that ate or worked at a local area restaurant. Subsequent testing confirmed norovirus. Additional outbreaks are continuing in Yellowstone Co. affecting two more long-term care facilities and a medical clinic resulting in more than 40 additional cases.
 Richland Co. - An outbreak of confirmed norovirus impacted a Sidney extended care center and senior residential center causing over 200 illnesses.
 Cascade Co. - A suspect norovirus outbreak is occurring in a Great Falls long-term care facility resulting in 24 illnesses. Tests are pending.
 Roosevelt Co. - A long-term care facility in Culbertson is reporting a norovirus-like illness impacting 25 of their residents and staff. MTPHL is waiting on specimens for testing.
 Teton Co. - Norovirus is the suspect cause of an illness in an assisted living center in Choteau. Sixteen were ill and no specimens were collected for testing.

May: Lewis & Clark Co. - Confirmed outbreak of Norovirus in a nursing home resulting in 31 ill residents and staff.
 Flathead Co. - Confirmed outbreak of Norovirus in 4 nursing homes and assisted living centers resulting in 53 ill residents and staff.
 Rosebud Co. - Suspected Norovirus outbreak in a nursing home resulting in 16 ill resident and staff.
 Big Horn Co. - Suspected Norovirus outbreak in a nursing home resulting in 13 ill resident and staff.
 Daniels Co. - Confirmed outbreak of Salmonella in a hospital/nursing home with 12 cases.

Jun: Custer Co. - Suspected Norovirus in a nursing home that has impacted 15 residents and staff.
 Sweetgrass Co. - Confirmed outbreak of Norovirus in a nursing home that sickened 51 residents and staff.
 Wibaux Co. - Usual outbreak of confirmed Norovirus in a nursing home that resulted in 25 ill residents and staff.
 Daniels Co. - Confirmed outbreak of Salmonella at a wedding reception with nine cases.
 Gallatin Co. - Suspect outbreak of Norovirus in a nursing home with 18 ill staff and residents.

Jul: Park Co. - Suspect outbreak of Norovirus in a nursing home with 60 ill residents and staff.
 Ravalli Co. - Another suspect outbreak of Norovirus in two nursing homes impacting 24 residents and staff.
 Sanders Co. - The usual outbreak of Norovirus in a nursing home impacting 22 residents and staff.

Aug: Flathead Co. - Confirmed outbreak of Norovirus in a nursing home impacting 45 residents and staff.
 Phillips Co. - Four confirmed cases of hepatitis A. Three of the cases are household contacts and the fourth is still under investigation.
 Missoula Co. - Multiple cases of cryptosporidiosis has been occurring since July 2006. Most of these cases are believed to have been acquired in Missoula's public pools/water parks.

Oct: Yellowstone Co. - Confirmed outbreak of Norovirus in an assisted living facility and hospital tansitions care unit affecting roughly 50 residents and staff.
 Roosevelt Co. - Confirmed outbreak of Shigella sonnei on the Fort Peck Reservation and within the county. As of 30 Dec 2006, 41 cases have been identified.

Nov: Valley Co. - Confirmed outbreak of Shigella sonnei that is identical to the Roosevelt County organism. No epi connections with Roosevelt Co. has been established at this time. As of 30 Dec 2006 20 cases have been identified.

Dec: Hill Co. - Confirmed outbreak of Norovirus in a long term care facility affecting 5 residents.
 Ravalli Co. - Suspect norwalk-like illness impacting 15/24 individuals eating in a local food establishment. No food item has been implicated at this writing.
 Roosevelt Co. - Confirmed outbreak of Norovirus in a Culbertson long term care facility resulting in six ill residents.
 Cascade Co. - Confirmed outbreak of Norovirus in a Great Falls nursing home with three resident known to be ill.
 Yellowstone Co. - Norovirus activity continues with 7 LTC facilities being impacted.
 Stillwater Co. - Confirmed outbreak of Norovirus in 2 LTC facilities with 15 staff and residents becoming ill.
 Lewis & Clark Co. - Confirmed outbreak of Norovirus among attendees of a private party which sickened 30 individuals.

The above total reflects cases received by DPHHS during the period specified. Additional conditions and counties will be added as cases are reported.

SEXUALLY TRANSMITTED DISEASES BY COUNTY 2006 SUMMARY

Reporting County*	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	22	1	-
Big Horn	143	11	-
Blaine	24	-	-
Broadwater	6	-	-
Carbon	15	1	-
Carter	-	-	-
Cascade	328	28	1
Chouteau	2	-	-
Custer	18	2	-
Daniels	-	-	-
Dawson	8	-	-
Deer Lodge	14	-	-
Fallon	7	-	-
Fergus	8	1	-
Flathead	194	11	-
Gallatin	184	7	-
Garfield	2	-	-
Glacier	167	3	-
Golden Valley	-	-	-
Granite	-	-	-
Hill	70	4	1
Jefferson	12	-	-
Judith Basin	-	-	-
Lake	132	6	-
Lewis & Clark	150	7	-
Liberty	-	-	-
Lincoln	42	3	-
Madison	-	1	-
McCone	2	-	-
Meagher	1	-	-
Mineral	1	-	-
Missoula	248	13	-
Musselshell	1	1	-
Park	12	2	-
Petroleum	-	-	-
Phillips	1	-	-
Pondera	10	1	-
Powder River	5	-	-
Powell	13	2	-
Prairie	-	-	-
Ravalli	54	3	-
Richland	18	-	-
Roosevelt	84	-	-
Rosebud	91	6	-
Sanders	9	1	-
Sheridan	4	-	-
Silver Bow	95	5	-
Stillwater	9	2	-
Sweet Grass	6	-	-
Teton	7	1	-
Toole	7	1	-
Treasure	-	-	-
Valley	7	-	-
Wheatland	1	-	-
Wibaux	1	-	-
Yellowstone	414	70	-
Other/Out of State	-	-	-
2006 Total	2649	194	2
2005 Total	2402	158	7
2004Total	2617	89	4

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2006.